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**DEPARTMENT OF THE NAVY
JUSTIFICATION OF ESTIMATES
FOR FISCAL YEAR 1986**



AD-A154 935

SUBMITTED TO CONGRESS FEBRUARY 1985

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PROCUREMENT

**SHIPBUILDING AND CONVERSION,
NAVY**

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DEPARTMENT OF THE NAVY

SHIPBUILDING AND CONVERSION, NAVY

JUSTIFICATION OF ESTIMATE FOR FISCAL YEAR 1986

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Shipbuilding and Conversion, Navy

For expenses necessary for the construction, acquisition, or conversion of vessels as authorized by law, including armor and armament thereof, plant equipment, appliances, and machine tools and installation thereof in public and private plants; reserve plant and Government and contractor-owned equipment layaway; procurement of critical, long leadtime components and designs for vessels to be constructed or converted in the future; and expansion of public and private plants, including land necessary therefor, and such lands and interests therein, may be acquired, and construction prosecuted thereon prior to approval of title [as follows: For the Trident submarine program, \$1,748,200,000; for the SSM-688 nuclear attack submarine program, \$2,665,000,000; for the aircraft carrier service life extension program, \$714,500,000; for the CG-47 AEGIS cruiser program \$2,883,000,000; for CG-47 AEGIS cruiser advance procurement, \$102,000,000, of which \$83,000,000 shall be solely for development of second production source(s) for SPY-1 radar and AEGIS combat system components and related integration for CG-47 and DDG-51 ship classes; for the DDG-51 guided missile destroyer program, \$1,050,000,000; for the LSD-41 landing ship dock program, \$499,500,000; for the LHD-1 amphibious assault ship program, \$39,200,000; for the LPD-4 service life extension program, \$15,000,000; for the MCN mine countermeasures ship program, \$344,500,000; for the T-A0 fleet oiler ship program, \$552,600,000; for the T-AGS ocean surveillance ship program, \$128,400,000; for the T-AGS ocean survey ship program, \$225,000,000; for the T-ACS auxiliary crane ship program, \$36,000,000; for the ARTB nuclear reactor training ship conversion program, \$30,000,000; for the T-ANB logistics support ship program, \$31,800,000; for the strategic sealift program, \$31,000,000; for the LCAC air cushion landing craft program, \$230,100,000; for craft, outfitting, post delivery, cost growth, and escalation on prior year programs, \$450,200,000; in all: \$11,736,000,000; \$11,411,600,000, to remain available for obligation until September 30, [1989] 1992: Provided, that additional obligations may be incurred after September 30, [1989] 1992, for engineering services, tests, evaluations, and other such budgeted work that must be performed in the final stages of ship construction; and each Shipbuilding and Conversion, Navy appropriation that is currently available for such obligations may also hereafter be so obligated after the date of its expiration: Provided further, that none of the funds herein provided for the construction or conversion of any naval vessel to be constructed in shipyards in the United States shall be expended in foreign shipyards for the construction of major components of the hull or superstructure of such vessel: Provided further, that none of the funds herein provided shall be used for the construction of any naval vessel in foreign shipyards: Provided further, that notwithstanding any other provision of law, the Navy is not required to install a Phased Array Radar on the FFG-61 which was authorized and for which appropriations were provided in fiscal year 1984, provided that this ship be equipped with a MK-92 Upgrade Phase II (CORT) System, and in addition to funds previously provided for the fiscal year 1984 FFG-7 guided missile frigate program, \$36,300,000 shall be available by transfer from the amount appropriated in "Shipbuilding and Conversion, Navy, 1983/1987" [10 U.S.C. 5012, 5031, 7296, 7298; Department of Defense Appropriations Act, 1985, as included in Public Law 98-473; additional authorizing legislation to be proposed.]

Shipbuilding and Conversion, Navy
Program and Financing (in Thousands of dollars)

FISCAL YEAR 1980
Budget Plan (amounts for PROCUREMENT
actions programmed)
Obligations

Identification code	17-1611-0-1-081	1984 actual	1985 est.	1986 est.	1984 actual	1985 est.	1986 est.
Program by activities:							
Direct program:							
00.0101	Fleet ballistic missile ships	137,737			201,852		
00.0201	Other warships				145		
00.0301	Amphibious ships				77,045		
00.0401	Mine warfare and patrol ships				34,809		
00.0501	Auxiliaries, craft, and prior-year program						
10.0001	Total				451,588		
Financing:							
17.0001	Recovery of prior year obligations(-):				-143		
	Unobligated balance available, start of year:						
21.4002	For completion of prior year budget plan				-1,193,262		
21.4007	Reprogramming from/to prior year budget plan						
22.4001	Unobligated balance transferred, net	-741,817			63,100		
25.0001	Unobligated balance lapsing	63,100			658,717		
39.0001	Budget authority	658,717					

Shipbuilding and Conversion, Navy
Program and Financing (In Thousands of dollars)

FISCAL YEAR 1981

Identification code	17-1611-0-1-051	Budget Plan (Amounts for PROCUREMENT actions programmed)		Obligations		
		1984 actual	1985 est.	1986 est.	1984 actual	
Program by activities:						
Direct program:						
00.0101	Fleet ballistic missile ships				38,329	
00.0201	Other warships				63,651	
00.0301	Amphibious ships				19,133	
00.0401	Mine warfare and patrol ships				162,659	
00.0501	Auxiliaries, craft, and prior-year program				31,300	
					167,732	
00.9101	Total direct program				335,172	
01.0101	Reimbursable program				316	
10.0001	Total				335,172	
					1,009,404	
Financing:						
17.0001	Recovery of prior year obligations(=):				-182	
	Unobligated balance available, start of year:					
21.4002	For completion of prior year budget plans				-1,386,095	
	Reprogramming from/to prior year budget plan				-1,032,004	
21.4007	Unobligated balance transferred, net	-19,100	-22,600			
22.4001	Unobligated balance available, end of year:	19,100	22,600			
24.4002	For completion of prior year budget plans				1,032,004	
39.0001	Budget authority					

Shipbuilding and Conversion, Navy
Program and Financing (in Thousands of dollars)

Identification code	17-1611-0-1-051	Budget Plan (amounts for PROCUREMENT actions programmed)			Obligations		FISCAL YEAR 1982 1986 est.		
		1984 actual	1986 est.	1986 actual	1985 est.				
Program by activities:									
Direct program:									
00. 0101	Fleet ballistic missile ships			4,013	1,009				
00. 0201	Other warships	357,931	296,652	854,608					
00. 0301	Amphibious ships	3,253	7,300	26,287					
00. 0401	Mine warfare and patrol ships	96,770	49,800	218,913					
00. 0501	Auxiliaries, craft, and prior-year program	164,372	70,400	311,548					
10. 0001	Total	626,339	425,161	1,111,833					
Program by activities:									
00. 0101	Fleet ballistic missile ships								
00. 0201	Other warships								
00. 0301	Amphibious ships								
00. 0401	Mine warfare and patrol ships								
00. 0501	Auxiliaries, craft, and prior-year program								
10. 0001	Total								
Financing:									
17. 0001	Recovery of prior year obligations(=):								
21. 4002	Unobligated balance available, start of year:								
21. 4007	For completion of prior year budget plans								
22. 4001	Reprogramming from/to prior year budget plan	-66,000							
24. 4002	Unobligated balance transferred, net	66,000							
39. 0001	Unobligated balance available, end of year:								
	For completion of prior year budget plans								
	Budget authority								

17.0001 Recovery of prior year obligations(=):
 21.4002 Unobligated balance available, start of year:
 21.4007 For completion of prior year budget plans
 22.4001 Reprogramming from/to prior year budget plan
 24.4002 Unobligated balance transferred, net
 39.0001 Unobligated balance available, end of year:
 For completion of prior year budget plans

Shipbuilding and Conversion, Navy
Program and Financing (in Thousands of dollars)

FISCAL YEAR 1983

Budget Plan (amounts for PROCUREMENT
actions programmed)

Identification code	7-1611-0-1-05	1984 actual	1985 est.	1986 est.	1985 actual	1985 est.	1986 est.
Program by activities:							
Direct program:							
00.0101	Fleet ballistic missile ships	233	152	300	300	181	100
00.0201	Other warships	653	291	783	689	1,046	340
00.0301	Amphibious ships	27	337	36	300	15	000
00.0401	Mine warfare and patrol ships	92	503	137	000	77	000
00.0501	Auxiliaries, craft, and prior-year program	203	960	78	000	6	300
00.9101	Total direct program	1,210	243	1,334	369	1,329	640
01.0101	Reimbursable program				80	80	
10.0001	Total			1,210	243	1,334	469
							1,329,720

Financing:

Offsetting collections from:

 Non-Federal sources(-)

 Recovery of prior year obligations(-):

14.0001	Unobligated balance available, start of year:	-5
17.0001	For completion of prior year budget plans	-2,159
21.4002	Available to finance new budget plans	-6,157,776
21.4003	Reprogramming from/to prior year budget plan	-4,723,121
21.4007	Unobligated balance transferred, net	-36,300
22.4001	Unobligated balance available, end of year:	-3,388,652
24.4002	For completion of prior year budget plans	129,400
24.4003	Available to finance subsequent year budget	4,723,121
25.0001	Unobligated balance lapsing	36,300
		60,876
39.0001	Budget authority	

Shipbuilding and Conversion, Navy

Fiscal Year 1985

Program and Financing (in Thousands of dollars)

		Budget Plan (amounts for PROCUREMENT actions programmed)		Obligations	
		1984 actual	1985 est.	1984 actual	1985 est.
Identification code	17-1611-0-1-051				
Program by activities:					
Direct program:					
Fleet ballistic missile ships	1,595,800			1,011,360	176,101
Other warships	7,414,426			4,516,679	796,251
Amphibious ships	543,700			315,161	64,127
Mine warfare and patrol ships	344,500			202,389	35,009
Auxiliaries, craft, and prior-year program	1,685,100			1,016,720	176,080
Total direct program	11,584,526			7,066,549	1,230,568
Reimbursable program		1,000		622	83
Total	11,585,526			7,067,171	1,239,651
Financing:					
Offsetting collections from:					
Federal funds(-)		-1,000			-1,000
Unobligated balance available, start of year:					-4,518,355
For completion of prior year budget plans					
Unobligated balance available, end of year:					
For completion of prior year budget plans					
Budget authority					
Budget authority:					
Appropriation	11,736,000				
Transferred to other accounts(-)	-151,474				-151,474
Appropriation (adjusted)	11,584,526				11,584,526

Shipbuilding and Conversion, Navy

Program and Financing (in Thousands of dollars)

FISCAL YEAR 1986

		Budget Plan (Amounts for PROCUREMENT Actions programmed)		Obligations	
		1984 actual	1985 est.	1984 actual	1985 est.
Identification code	17-1611-0-1-051				
Program by activities:					
Direct program:					
Fleet ballistic missile ships				1,531,800	936,226
Other warships				5,825,800	3,558,069
Amphibious ships				1,921,600	1,172,603
Mine warfare and patrol ships				518,600	314,780
Auxiliaries, craft, and prior-year program				1,613,800	979,404
00. 9101 Total direct program				11,411,600	6,961,064
01. 0101 Reimbursable program				1,000	622
10. 0001 Total				11,412,600	6,961,666
Financing:					
Offsetting collections from:					
Federal funds(-)				-1,000	-1,000
Unobligated balance available, end of year:					
For completion of prior year budget plans					4,450,914
40. 0001 Budget authority (Appropriation)				11,411,600	11,411,800

Program and Financing (in thousands of dollars)

Budget Plan (amounts for PROCUREMENT actions programmed)

Identification code	17-1611-0-1-051	1984 actual	1985 est.	1986 est.	1984 actual	1985 est.	1986 est.
Program by activities:							
00.0101	Direct program:	1,636,500	1,596,800	1,531,800	1,262,342	1,724,674	1,374,343
00.0201	Fleet ballistic missile ships	5,508,148	7,414,426	5,825,800	4,681,757	6,682,627	6,232,388
00.0301	Other warships	1,728,900	543,700	1,921,600	1,225,010	578,146	1,353,156
00.0401	Amphibious ships	685,300	344,500	518,600	606,460	723,650	677,933
00.0401	Mine warfare and patrol ships	1,913,500	1,685,100	1,613,800	1,644,380	1,572,673	1,571,766
00.0501	Auxiliaries, craft, and prior-year program	11,472,348	11,584,526	11,411,600	9,419,949	11,281,770	11,209,588
00.9101	Total direct program	24	1,000	1,000	1,101	1,101	884
01.0101	Reimbursable program	11,472,372	11,585,526	11,412,600	9,419,949	11,282,871	11,210,472
10.0001	Total						
Financing:							
11.0001	Offsetting collections from:						
11.0001	Federal funds(-)	-24	-1,000	-1,000	-24	-1,000	-1,000
14.0001	Non-Federal sources(-)				-5	-5	
17.0001	Recovery of prior year obligations(-):				-7,063		
21.4002	Unobligated balance available, start of year:						
21.4003	For completion of prior year budget plans				-10,961,587	-11,931,284	-12,247,639
21.4003	Available to finance new budget plans	-85,100	13,700	71,400		-85,100	
21.4007	Reprogramming from/to prior year budget plan	-1,089,793	18,000		18,000	71,400	
22.4001	Unobligated balance transferred, net	18,000	71,400				
24.4002	Unobligated balance available, end of year:				11,931,284	12,247,639	12,449,767
24.4003	For completion of prior year budget plans	85,100	36,300		85,100	36,300	
25.0001	Available to finance subsequent year budget	999,193			999,193	36,300	
39.0001	Unobligated balance lapsing						
39.0001	Budget authority	11,484,848	11,620,826	11,411,600	11,484,848	11,620,826	11,411,600
40.0001	Budget authority:						
41.0001	Appropriation	11,215,400	11,736,000	11,411,600	11,215,400	11,736,000	11,411,600
41.0001	Transferred to other accounts(--)	-10,152	-151,474		-10,152	-151,474	
43.0001	Appropriation (adjusted)	11,205,248	11,584,526	11,411,600	11,205,248	11,584,526	11,411,600
50.0001	Reappropriation	279,600	36,300		279,600	36,300	
71.0001	Relation of obligations to outlays:						
71.0001	Obligations incurred, net				9,419,920	11,281,871	11,209,472
72.4001	Obligated balance, start of year				19,633,932	20,580,382	22,517,853
74.4001	Obligated balance, end of year				-20,580,382	-22,517,853	-23,378,425
77.0001	Adjustments in expired accounts				20,769		
78.0001	Adjustments in unexpired accounts				-7,063		
90.0001	Outlays	8,467,196	9,344,400	10,348,900			

Uncompleted thru 31 Dec 1984		To Be Completed in FY 1985		To Be Completed in FY 1986		To Be Completed in FY 1987 and Subsequent Years	
FY 1979 and Prior Years							
Ships							
New Construction	5	3	2	2	0	0	0
Conversion	5	3	2	2	0	0	0
FY 1980	Ships	0	0	0	0	0	0
	New Construction	4	0	3	1	1	1
	Conversion	0	0	0	0	0	0
FY 1981	Ships	16	10	5	1	1	1
	New Construction	16	10	5	1	1	1
	Conversion	0	0	0	0	0	0
FY 1982	Ships	17	2	10	5	5	5
	New Construction	17	2	10	5	5	5
	Conversion	0	0	0	0	0	0
FY 1983	Ships	16	1	2	13	12	12
	New Construction	14	0	2	1	1	1
	Conversion	2	1	0	0	0	0
FY 1984	Ships	22	0	7	15	14	14
	New Construction	16	0	2	1	1	1
	Conversion	6	0	5	1	1	1
FY 1985	Ships	25	0	2	23	22	22
	New Construction	22	0	0	22	21	21
	Conversion	3	0	2	1	1	1

The request for FY 1986 will provide for 23 new construction ships and 5 conversions.

COMPARISON OF FY 1985 PROGRAM REQUIREMENTS AS REFLECTED
IN FY 1985 BUDGET WITH FY 1985 PROGRAM REQUIREMENTS AS
SHOWN IN FY 1986 BUDGET

SUMMARY OF REQUIREMENT (In Thousands of Dollars)

	Total Program Requirements Per 1985 Budget	Program Requirements Per 1986 Budget	Increase (+) or Decrease (-)
Fleet Ballistic Missile Ships.....	1,846,100	1,596,800	-249,300
Other Warships.....	8,390,500	7,414,426	-976,074
Amphibious Ships.....	543,700	543,700	0
Mine Warfare and Patrol Ships.....	349,500	344,500	-5,000
Auxiliaries, Craft and PY Program Costs	2,012,100	1,685,100	-327,000
Reimbursable Program.....	1,000	1,000	0
Total Fiscal Year Program.....	13,142,900	11,585,526	-1,557,374

EXPLANATION BY BUDGET ACTIVITY
(\$ in Thousands)

1. **FLEET BALLISTIC MISSILE SHIPS (-\$249,300)** - Congressional action on the FY 1985 budget deleted the TAK program (-\$91,000) and reduced the TRIDENT program by \$6,800. The FY 1986 submission also reflects a proposed reprogramming transfer of -\$151,400 from TRIDENT to offset requirements in the MPNC, MPN, RDT&E, DA, and RDT&E, N appropriations.
2. **OTHER WARSHIPS (-\$976,074)** - Congressional action on the FY 1985 budget included reductions to the SSN (-\$215,000), CG (-\$165,000), DDG (-\$123,400), and CV S/EP advance procurement (-\$50,000) requests. The BB-63 reactivation request of \$422,600 was also deleted since it was funded in the FY 1984 DOD Supplemental Appropriation. The FY 1986 submission also reflects a proposed reprogramming transfer from the CG program (-\$74) to offset a RDT&E, N requirement.
3. **AMPHIBIOUS SHIPS** - No change.
4. **MINE WARFARE AND PATROL SHIPS (-\$5,000)** - Congressional action on the FY 1985 budget reduced the MCM program by \$5,000.
5. **AUXILIARIES, CRAFT, AND PRIOR YEAR PROGRAM COSTS (-\$327,000)** - Congressional action on the FY 1985 budget included the deletion of one TAGS ship (-\$64,500) and one TACS conversion (-\$8,000) and reductions to the TAO (-\$40,000), TAGS (-\$20,000) TAVB (-\$11,000), Service Craft (-\$26,500), and Potential Cost Growth (-\$187,000) requests. It also added \$30,000 of advance procurement funding for the HTSD conversion.

COMPARISON OF FY 1984 PROGRAM REQUIREMENTS AS REFLECTED
IN FY 1985 BUDGET WITH FY 1984 PROGRAM REQUIREMENTS AS
SHOWN IN FY 1986 BUDGET

SUMMARY OF REQUIREMENT (In Thousands of Dollars)

	Total Program Requirements Per 1985 Budget	Program Requirements Per 1986 Budget	Increase (+) or Decrease (-)
Fleet Ballistic Missile Ships.....	1,672,700	1,636,500	-36,200
Other Warships.....	5,464,100	5,508,148	+44,048
Amphibious Ships.....	1,766,700	1,728,900	-37,800
Mine Warfare and Patrol Ships.....	651,100	685,300	+34,200
Auxiliaries, Craft and PY Program Costs.....	1,882,400	1,913,500	+31,100
Reimbursable Program.....	1,000	24	-976
Total Fiscal Year Program.....	11,438,000	11,472,372	+34,372

EXPLANATION BY BUDGET ACTIVITY
(\$ in Thousands)

1. **FLEET BALLISTIC MISSILE SHIPS** (-\$36,200) - The FY 1984 DOD Supplemental Appropriation transferred \$36,200 from the Trident program to offset the FY 1984 funding requirement for reactivation of the BB-63.

2. **OTHER WARSHIPS** (+\$44,048) - Additional funding of \$409,600 was provided for the FY 1984 reactivation of the BB-63, including \$73,400 through a DD 1415 Reprogramming Action and \$336,200 through the FY 1984 DOD Supplemental Appropriation. Funding offsets for the BB-63 DD 1415 Reprogramming Action included the CG(-\$17,200) and SSN(-\$16,400) programs. The FY 1984 Supplemental Appropriation for BB-63 also included offsets from the CG(\$229,900) and SSN(-\$19,100) programs. The FY 1985 Submission also reflects various approved inter appropriation DD 1415 Reprogramming Actions, including a reduction to the SSN(-\$4,000) and CG(\$14,700) programs for RDT&E, requirements and additional reductions to the CG program for RPN (-\$152) and OPN (-\$34,100) appropriation requirements.

3. **AMPHIBIOUS SHIPS** (-\$37,800) - A total of \$37,800 was reprogrammed from the LSD program to support the FY 1984 funding requirement for reactivation of the BB-63, including -\$28,000 in the FY 1984 DOD Supplemental Appropriation and -\$9,800 in a DD 1415 Reprogramming Action.

4. **MINE WARFARE AND PATROL SHIPS** (+\$34,290) - Based on Congressional direction in the FY 1985 Appropriation, an additional \$36,300 was transferred to the FY 1984 FFG program using various FY 1983 SCN assets. Also the FY 1984 DOD Supplemental Appropriation transferred \$2,100 from the MCM program to offset the FY 1984 funding requirement for reactivation of the BB-63.

5. **AUXILIARIES, CRAFT, AND PRIOR YEAR PROGRAM COSTS** (+\$31,100) - The FY 1984 DOD Supplemental Appropriation transferred \$20,900 from the TAO (-\$2,900), TAHC (\$900), and Cost Growth on Prior Year Programs (-\$17,100) line items to offset the FY 1984 funding requirement for reactivation of the BB-63. The Supplemental Appropriation also included an additional \$52,000 for the Strategic Sealift Program.

POST DELIVERY

(\$ in Thousands)			
	FY_1986	FY_1987	FY_1987
QTY	---	QTY	---
	112.600		204.300

The FY 1986 request includes \$112,600,000 for Post Delivery. Authorization of \$204,300,000 is requested in FY 1987. Post delivery costs include the design, planning, government furnished material, and related labor costs required to correct ship deficiencies defined during acceptance and shakedown trials. It is limited to the work which can be accomplished within eleven months following completion of fitting out. All funds required for correction of deficiencies for a particular ship are budgeted in the first fiscal year in which funding is required.

TACS_AUXILIARY_CHANGE_SHIP_CONVERSION

(\$ in Thousands)			
	FY_1986	FY_1987	FY_1987
QTY	---	QTY	---
	82,500		66,600

The FY 1986 request includes \$82,500,000 for the modification of three ships to the TACS crane ship configuration. Authorization request in FY 1987 will provide \$66,600,000 to modify two follow-on TACS ships. The TACS' primary mission is to offload non self-sustaining container ships brought alongside in moderate conditions of sea and swells.

TAVB_AVIATION_LOGISTICS_SUPPORT_SHIP_CONVERSION

(\$ in Thousands)			
	FY_1986	FY_1987	FY_1987
QTY	---	QTY	---
	26,900		26,900

The FY 1986 request includes \$26,900,000 for the conversion of one TAVB (Aviation Logistic Support Ship). The TAVB will provide dedicated sealift for movement of a functional aviation intermediate maintenance activity to support rapid deployment of U.S. Marine Corps fixed and rotary wing aircraft.

LCAC LANDING CRAFT-AIR CUSHION

(\$ in 'Thousands)

	FY-1986	FY-1987
QTY	307,000	310,300
AMT		

The FY 1986 request provides funding of \$276,200,000 for twelve LCACs and advance procurement of \$30,800,000 for long leadtime material in support of the FY 1987 program. In FY 1987 Authorization of \$277,900,000 is requested for funding for twelve LCACs and advance procurement of \$32,400,000, in support of the FY 1988 program. The Landing Craft Air Cushion (LCAC) is a fully amphibious air cushion vehicle capable of operating from existing and planned well deck ships. The LCAC transports weapons systems, equipment, cargo, and personnel of the assault elements of the Marine Air/Ground Task Force both from ship to shore and across the beach.

OUTFITTING MATERIAL

(\$ in 'Thousands)

	FY-1986	FY-1987
QTY	228,500	254,100
AMT		

The FY 1986 appropriation request provides \$228,500,000 for Outfitting; the FY 1987 authorization request provides \$254,100,000 for Outfitting. Outfitting material consists of government furnished repair parts and other material required to fill ships, initial allowance of storeroom and operating space items.

SERVICE CRAFT

(\$ in Thousands)			
	FY_1986	FY_1987	
QTY	AMT	QTY	AMT
-	79,500	-	84,000

Appropriation of \$79,500,000 is requested in FY 1986 for two Open Lighters (YCL), two Floating Cranes (YD), two Covered Lighters (YFN), six Patrol Craft (YP), and one Covered Lighter - Range Tender (YFRT). Authorization of \$84,000,000 is requested in FY 1987 for two YDs, three YFNs, four Fuel Barges (YON), one Covered Lighter - Range Tender (YFRT), two Oil Storage Barge (YOS) and two Berthing and Messing Barge (YRBML).

LANDING CRAFT

(\$ in Thousands)			
	FY_1986	FY_1987	
QTY	AMT	QTY	AMT
-	34,400	-	62,400

Appropriation of \$34,400,000 is requested in FY 1986 for three Special Warfare Craft Medium (SWCM). Authorization of \$62,400,000 is requested in FY 1987 for six follow SWCM. These craft are designed to transport, support, insert, extract, and defend special warfare elements.

STRATEGIC_SEALIFT_(RRF)_-READY_RESERVE_FORCE

(\$ in Thousands)			
	FY_1986	FY_1987	
QTY	AMT	QTY	AMT
-	203,400	-	29,100

The FY 1986 appropriation includes \$203,400,000 for the acquisition of ships for the Ready Reserve Force (RRF). Authorization of \$29,100,000 is requested for funding acquisition of additional ships for the Ready Reserve Force in FY 1987. The Ready Reserve Force is a subset of the National Defense Reserve Fleet which provides timely sealift capability to promptly onload and transport those forces that may be expected to be deployed in a contingency or reinforcement scenario. The ships which will be acquired are suitable for military support operations and will permit the Department to take advantage of the currently favorable market for purchase of sealift vessels.

AGC_FAST_COMBAT_SUPPORT_SHIP

		(\$ in thousands)	
		FY_1986	FY_1987
QTY	AMT	QTY	AMT
-	-	1	756,600

The FY 1986 authorization request includes \$756,600,000 for one AGC Fast Combat Support Ship. The AGC will deliver munitions, bulk POL, and dry and frozen provisions to battle groups underway in hostile environments.

AG_ACOUSTIC_RESEARCH_VESSEL_(CONVERSION)

		(\$ in Thousands)	
		FY_1986	FY_1987
QTY	AMT	QTY	AMT
1	68,900	-	-

The FY 1986 request includes \$68,900,000 for conversion of one AG Acoustic Research Vessel. The AG will deploy and retrieve acoustic arrays, conduct acoustic surveys, and perform experimental acoustic testing.

MOORED TRAINING_SHIP DEMONSTRATION_(CONVERSION)

		(\$ in Thousands)	
		FY_1986	FY_1987
QTY	AMT	QTY	AMT
-	26,500	-	-

The Moored Training Ship Demonstration will be used to train naval propulsion plant operators. The MTS concept is the most cost efficient means to maintain the standards of the Naval Nuclear Propulsion Program, and ensure sufficient operating reactors will be available for training future plant operators. The FY 1986 request includes \$26,500,000 for long leadtime material in support of converting an inactivated nuclear submarine into a nuclear reactor training platform. The advance procurement request also supports detail design of the reactor and propulsion plant system modifications. The exact submarine for conversion has not been selected and the full funding will be budgeted when the selection is made.

BUDGET ACTIVITY 5 - AUXILIARIES, CRAFT, AND PRIOR YEAR PROGRAM COSTS

	(\$ in Thousands)	
FY 1984 Actual	1,913,500	
FY 1985 Estimate	1,685,100	
FY 1986 Estimate	1,613,800	
FY 1987 Estimate	2,241,100	

PURPOSE AND SOURCE

Budget Activity 5 provides for the construction, conversion and acquisition of Auxiliary Ships and Craft, as well as other costs such as Outfitting and Post Post Delivery.

JUSTIFICATION OF FUNDS

Funds requested for appropriation/authorization for Budget Activity 5 include:

TAO_FLEET_OILERS

	(\$ in Thousands)	
	FY 1986	FY 1987
QTY	---AMT---	---AMT---
2	328,500	2
	328,500	356,400

The FY 1986 request of \$328,500,000 provides for two TAO Fleet Oilers. Authorization of \$356,400,000 is requested in FY 1987 for two fleet oilers. The Fleet Oilier will operate as a unit of an Underway Replenishment Group to furnish petroleum products to operating forces at sea. The ship will be capable of replenishing from five stations simultaneously and will also be capable of replenishment of fleet freight, mail, and personnel.

TAGOS_OCEAN_SURVEILLANCE_SHIP

	(\$ in Thousands)	
	FY 1986	FY 1987
QTY	---AMT---	---AMT---
2	115,100	2
	115,100	117,300

The FY 1986 request includes \$113,900,000 for two TAGOS Ocean Surveillance ships, plus advance procurement funds of \$1,200,000 to buy engines for two follow-on TAGOS ships programmed in FY 1987. The engine manufacturer is closing down his line and will accept no further orders after March 1986. These advance procurement funds in FY 1986 will insure the homogeneity of engines among the eighteen TAGOS-1 Class ships. Authorization of \$117,300,000 is requested in FY 1987 for two TAGOS ships. TAGOS ships will be used as a unit of the Military Sealift Command to support the towed arrays and data processing/transmitting equipments of the SURTASS system which collects, processes, and transmits acoustic data.

BUDGET ACTIVITY NO. 4 - MINE WARFARE AND PATROL SHIPS

	(\$ in Thousands)	
FY 1984 Actual	685,300	
FY 1985 Estimate	344,500	
FY 1986 Estimate	518,600	
FY 1987 Estimate	297,900	

PURPOSE AND SCOPE

Budget Activity 4 provides for the construction and conversion of ships with minesweeping capability, as well as patrol and escort ships.

JUSTIFICATION OF FUNDS

Funds requested for appropriation/authorization for Budget Activity 4 include:

MCM MINE COUNTERMEASURES SHIP

	(\$ in Thousands)	
	FY 1986	FY 1987
QTY	--- AMT ---	--- AMT ---
4	334,100	1
		102,200

Appropriation of \$334,100,000 is requested for four MCMs in FY 1986. Authorization of \$102,200,000 is requested for one additional MCM in FY 1987. This ship will be built to military standards and will be an effective platform from which to operate new mine hunting and neutralizing equipments. The MCM will have the capability to conduct mine clearance operations.

MSH COASTAL MINE HUNTER

	(\$ in Thousands)	
	FY 1986	FY 1987
QTY	--- AMT ---	--- AMT ---
4	184,500	4
		195,700

Appropriation of \$184,500,000 is requested for four MSHs in FY 1986. Authorization of \$195,700,000 is requested for four additional MSHs in FY 1987. The FY 1986 and FY 1987 ships are priced as options to the FY 1984 MSH Construction Contract. The MSH is a new class of coastal minehunting ships capable of mine reconnaissance, classification, and neutralization of moored and bottom mines in a U.S. harbor and coastal environment.

AMPHIBIOUS (LPD) SERVICE LIFE EXTENSION PROGRAM

(\$ in Thousands)			
FY 1986		FY 1987	
QTY	AMT	QTY	AMT
			80,500

The FY 1987 authorization request includes \$80,500,000 for advance procurement of long lead materials in support of the amphibious LPD-4 class Service Life Extension Program (SLEP) planned for FY 1988 and FY 1989. \$27,900,000 is requested for the FY 1988 program and \$52,600,000 is for the FY 1989 program. The amphibious SLEP will extend the 30-year service life of the LPD-4 class of ships by 15 years. The SLEP will accomplish survivability ship alterations and engineering equipment modernization. Capabilities of the ships will be improved to enable them to carry and support one LCAC, and four vice two CH-46 helicopter equivalents. The first SLEP is planned to start in FY 1987. Because of the short availability of the SLEP (14 months), successful execution is feasible only with advance procurement of one and two year long lead material.

LSD 41 (CARGO VARIANT) LANDING SHIP DOCK

(\$ in Thousands)			
FY 1986		FY 1987	
QTY	AMT	QTY	AMT
			23,600

The FY 1987 authorization request includes \$23,600,000 of advance procurement funds in support of two LSD-41 CARGO VARIANT ships programmed in FY 1988. The LSD-41 CARGO VARIANT will transport and launch amphibious craft, cargo and vehicles, with their crews and embarked personnel, in amphibious assault operations. It will also provide limited docking and repair services for conventional landing craft and Air Cushion Landing Craft (LCAC).

BUDGET ACTIVITY NO. 3 - AMPHIBIOUS SHIPS

	(\$ in Thousands)		
FY 1984 Actuals	1,728,900		
FY 1985 Estimate	543,700		
FY 1986 Estimate	1,921,600		
FY 1987 Estimate	483,300		

PURPOSE AND SCOPE

Budget Activity 3 provides for the construction, conversion, and service life extension of amphibious ships.

JUSTIFICATION OF FUNDS

The funds requested for appropriation/authorization for Budget Activity 3 include:

LSD-41_LANDING_SHIP_DOCK

	(\$ in Thousands)		
	FY 1986	AMT	FY 1987
QTY	2	414,400	QTY

The FY 1986 request includes \$414,400,000 to fund two LSD-41 Class Dock Landing Ships. The FY 1986 ships are priced as options to the FY 1984 LSD contract. The LSD will transport and launch amphibious craft and vehicles, with their crews and embarked personnel, in amphibious assault operations. It will also provide limited docking and repair services for conventional landing craft and Air Cushion Landing Craft (LCAC).

LHD-1_AMPHIBIOUS_ASSAULT_SHIP-[WXP]

	(\$ in Thousands)		
	FY 1986	AMT	FY 1987
QTY	1	1,507,200	QTY
			379,200

The FY 1986 request includes \$1,148,600 to fund one LHD-1 Class Amphibious Assault Ship which will be part of a competitive three ship multiyear procurement contract. The request also includes \$358,600,000 for advance procurement for the two additional ships in the contract: \$202,800,000 for a ship in FY 1988 and \$155,800,000 for a ship in FY 1989. The advance funding provides for economic order quantity procurement of construction materials and government furnished equipment. It also provides for the most efficient advance planning and procurement. Additional advance procurement of \$379,200,000 is requested in the authorization year: \$206,300,000 for FY 1988, and \$172,900,000 is requested for FY 1989. The LHD-1 is a multi-purpose amphibious assault ship which will transport elements of the landing force (personnel, vehicles, cargo and POL), landing craft (LCAC or conventional), VSTOL aircraft, and helicopters, in support of an amphibious assault operation. In a convertible role the LHD will have the capability of deploying VSTOL aircraft and helicopters in secondary sea control and power projection missions.

CG-47-AEGIS GUIDED MISSILE CRUISER

(\$ in Thousands)			
	FY 1986	FY 1987	FY 1987
QTY	AMT	QTY	AMT
3	2,766,200	3	2,885,200

The FY 1986 request provides full funding of \$2,751,600,000 for construction of three AEGIS Cruisers, plus \$14,600,000 for advance procurement items in support of multiyear procurement of the MK-45 gun. Authorization of \$ 2,885,200,000 is requested for three AEGIS Cruisers in FY 1987. The FY 1986 ships are priced as options to existing contracts. This class of cruisers deploys AEGIS and other advanced systems, augmented by passive protection features, including fragmentation protection of launchers and magazines. The CG-47 is broadly capable, heavily armed, and survivable. Employment of the proven DD-963 class hull and propulsion system reduces uncertainties and lifetime costs. The CG-47 class ships are able to conduct prompt and sustained combat operations as part of a Carrier Battle Group or Surface Action Group to neutralize or destroy hostile air, missile, surface, and subsurface threats, and defeat simultaneous coordinated attacks by such forces.

DDG-51-GUIDED DESTROYER

(\$ in Thousands)			
	FY 1986	FY 1987	FY 1987
QTY	AMT	QTY	AMT
	164,300	2	2,239,500

The FY 1986 request includes \$164,300,000 of advance procurement funds for long leadtime parts in support of the DDG-51 Guided Missile Destroyer program in FY 1987. An additional \$1,900,000 for two follow-on Guided Missile Destroyers and \$308,600 of advance procurement funds in support of the five ships in the FY 1988 program. The DDG-51 will have a combat system which has the capability to perform simultaneous missions in Anti-Air, Strike, Anti-Surface, and Anti-Submarine warfare. The ship will operate as a part of Carrier Battle Groups, Amphibious Task Forces, and Underway Replenishment Groups. This design provides outstanding combat capability and survivability while considering procurement and lifetime support costs.

BB - BATTLESHIP REACTIVATION

(\$ in thousands)		
	FY 1986	FY 1987
QTY	53,500	1
AMT	422,400	

The FY 1986 request includes \$53,500 for advance procurement to support reactivation of the WISCONSIN in FY 1987. The FY 1987 authorization request includes the remaining full funding of \$422,400,000 for the WISCONSIN. The battleship conducts prompt and sustained combat operations at sea, worldwide, in support of the national interest, or operates as an element of an amphibious assault group. In areas of lesser threat, the battleship is capable of surface action group operation with appropriate ASW and AAW escorts.

CY-1 SLEP) AIRCRAFT-CARRIER

(\$ in thousands)		
	FY 1986	FY 1987
QTY	133,400	1
AMT	491,800	

The FY 1986 request includes \$133,400,000 for long leadtime materials for the CV-63 (KITTY HAWK) Service Life Extension Program (SLEP) programmed in 1987. The FY 1987 authorization request provides full funding of \$4b2,500,000 for the CV-63 (KITTY HAWK) (SLEP), plus \$39,300,000 for advance procurement for long leadtime materials for the CV-64 (CONSTELLATION) SLEP scheduled for FY 1990. The Aircraft Carrier SLEP extends the life of the eight conventionally powered big deck aircraft carriers from 30 years to a total of 45 years. The extension will be accomplished through a 28 month availability in which equipments, systems, and structure will be repaired or replaced as necessary.

BUDGET ACTIVITY NO.2 - OTHER WARSHIPS

	(\$ in Thousands)		
	FY 1984 Actual	5,508,100	
	FY 1985 Estimate	7,414,400	
	FY 1986 Estimate	5,825,800	
	FY 1987 Estimate	9,038,500	

PURPOSE AND SCOPE

Budget Activity 2 provides for the construction, conversion, modernization or service life extension of major warships other than Ballistic Missile Ships.

JUSTIFICATION OF FUNDS

The funds requested for appropriation/authorization for Budget Activity 2 include:

SSN-688 CLASS: SUBMARINE (NUCLEAR)

(\$ in Thousands)			
	FY 1986	FY 1987	
QTY	QTY AMT	QTY AMT	
4	2,708,400	4	2,543,500

The FY 1986 request provides full funding of \$2,123,200,000 for the construction of four SSN-688 Class nuclear submarines plus advance procurement funds of \$585,200,000 to provide for long lead time equipment for follow-on submarines in FY 1987 and FY 1988. The FY 1987 authorization request provides full funding of \$2,035,200,000 for four additional nuclear attack submarines and advance procurement funds of \$448,300,000 to procure critical long lead ship components for additional submarines in FY 1988 and 1989. Of the \$585,200,000 in advance procurement funds, \$212,800,000 is for long lead hull, mechanical and electrical items for the FY 1987 ships and \$372,400,000 is for nuclear propulsion equipment for the FY 1987 and 1988 ships. The mission of the LOS ANGELES Class nuclear attack submarine is to destroy enemy ships, primarily submarines. It is a key element in our multi-type warfare forces. These submarines are the only weapons systems capable of operating for long periods of time in waters under enemy air and surface control, and are necessary to counter the new classes of Soviet high speed submarines.

SSN - 21 CLASS NEW DESIGN SUBMARINE (NUCLEAR)

(\$ in Thousands)			
	FY 1986	FY 1987	
QTY	QTY AMT	QTY AMT	
-	-	-	\$ 456,100

The FY 1987 authorization request includes \$ 456,100,000 of advance procurement for long leadtime nuclear material and detail design in support of the lead SSN-21 Submarine, which is programmed in FY 1989. The SSN-21 Submarine is intended to combat the rapidly increasing capabilities of the Soviet submarine force into the 1990's and beyond.

BUDGET ACTIVITY NO.1 - BALLISTIC-MISSILE-SHIPS

(\$ in Thousands)

FY 1984	Actual	1,636,500
FY 1985	Estimate	1,596,800
FY 1986	Estimate	1,531,800
FY 1987	Estimate	1,673,600

PURPOSE AND SCOPE

Budget Activity 1 provides for the new construction of Ballistic Missile Ships and supporting vessels and the conversion of existing ships to specialized configurations required to meet strategic objectives.

JUSTIFICATION OF FUNDS

The funds requested for appropriation/authorization for Budget Activity 1 include:

TRIDENT SSBN

(\$ in Thousands)			
	FY 1986	FY 1987	
QTY	QTY	QTY	AMT
1	1,531,800	1	1,673,600

The FY 1986 request provides full funding of \$1,283,600,000 for the thirteenth TRIDENT submarine plus advance procurement funds of \$248,200,000 for the procurement of critical long lead components for the fourteenth and fifteenth submarines. The FY 1987 authorization request provides full funding of \$1,410,200,000 for the fourteenth TRIDENT submarine plus advance procurement funds of \$263,400,000 to procure critical long lead ship components for the fifteenth and sixteenth ships. The full funding request provides funds primarily for the basic ship construction contract including escalation and that government furnished equipment which is not procured with advance procurement funds (long lead time). Advance procurement funding of certain hull, mechanical and electrical equipment is necessary in order to meet the shipbuilder's construction schedule. The fourteenth submarine is programmed in the FY 1987 authorization request, followed by the fifteenth in FY 1988. Of the \$248,200,000 in advance procurement funds, \$90,100,000 is for long lead hull, mechanical and electrical items for the FY 1987 ship and \$158,100,000 is for nuclear propulsion equipments for the FY 1988 ship. The TRIDENT mission is to provide an undersea strategic missile system in order to ensure that the U.S. continues to maintain a credible, survivable deterrent independent of foreseeable threats. TRIDENT submarines are highly survivable due to the incorporation of the latest state of the art in submarine quietness, mobility, and self defense. Each has an integrated radio room designed to provide communication links in a hostile electromagnetic environment, and carries the latest in submarine defense systems. Other features include a 70-day patrol period, a 25-day turnaround period between patrols, not less than 9-year intervals between overhauls/refuelings, and a projected operating life of 30 years.

COMPARISON OF FY 1984 FINANCING AS REFLECTED
IN FY 1985 BUDGET WITH FY 1984 FINANCING AS
SHOWN IN FY 1986 BUDGET
(\$ in Thousands)

	Financing Per FY 1985 Budget	Financing Per FY 1986 Budget	Increase (+) Or Decrease (-)
Program Requirements (Total)	11,438,000	11,472,372	+34,372
Program Requirements (Service Account)	(11,437,000)	(11,472,348)	(+35,348)
Program Requirements (Reimbursable)	(1,000)	(24)	-976
Less:			
Anticipated Reimbursements	1,000	24	-976
Unobligated Balance Transferred From Other Accounts	227,600	36,300 279,600	+36,300 +52,000
Reappropriations			
Plus:			
Reprogramming	-	48,800	-48,800
Appropriation (Adjusted)	11,209,400	11,205,248	-4,152

EXPLANATION OF CHANGES IN FINANCING

The Fiscal Year 1984 budget has changed since the presentation of the FY 1985 budget as noted below:

1. Program Requirements. There has been an increase of
Service Account. +\$34,372
Reimbursable +\$35,348
.... -\$976
2. Appropriation. The adjusted appropriation was decreased by \$4,152 to reflect reprogramming actions from SCN to the RDT&E (\$4,000) and RPN (\$152) appropriations. The FY 1986 budget also reflects a \$52,000 reappropriation to the Strategic Sealift Program as approved in the FY 1984 DOD Supplemental Appropriation. The Unobligated Balance Transferred From Other Accounts line item reflects the addition of \$36,300 to the FFG program per direction in the FY 1985 Appropriation Act. The financing adjustments also reflect reprogramming action transfers to the OFN (-\$34,100) and RDT&E, N (-\$14,700) appropriations.

COMPARISON OF FY 1985 FINANCING AS REFLECTED
IN FY 1985 BUDGET WITH FY 1985 FINANCING AS
SHOWN IN FY 1986 BUDGET
(\$ in Thousands)

	Financing Per FY 1985 Budget	Financing Per FY 1986 Budget	Increase (+) or Decrease (-)
Program Requirements (Total)			
Program Requirements (Service Account)	13,142,900	11,585,526	-1,557,374
Program Requirements (Reimbursable)	(13,141,900)	(11,584,526)	(-1,557,374)
Less:			
Anticipated Reimbursements	1,000	1,000	-
Appropriation (Adjusted)	13,141,900	11,585,526	-1,557,374

EXPLANATION OF CHANGES IN FINANCING

The Fiscal Year 1985 Budget has decreased by -\$1,557,374 since the presentation of the FY 1985 Budget as noted below:

1. Program Requirements. There has been a decrease of -\$1,557,374 Service Account. Reflects actual Appropriation Act vice amount requested.....-\$1,405,900 Transfer to MPNC, MPN, RDT&E, N, and RDT&E, DA Appropriations.....-\$151,474

DETAIL OF ADVANCE PROCUREMENT REQUIREMENTS
Ship Type: OHIO Class Submarine-SSBN 739/740
FY/PY: FY 86 for FY 87 and FY 88

Request:

\$248.2 million is required in FY 1986 to procure critical long lead ship components for the fourteenth and fifteenth OHIO Class Submarines. The fourteenth OHIO Class Submarine is planned for inclusion in the FY 1987 Military Authorization request. The fifteenth OHIO Class Submarine is planned for inclusion in the FY 1988 Military Authorization request. Of the \$248.2 million requested in FY 1986, \$158.1 million is required for the procurement of long lead time nuclear propulsion equipments and \$90.1 million is required for long lead time contractor furnished equipment (CFE). Funding for specific shipbuilding programs is summarized as follows:

FY 1987	Program	\$ 90.1
FY 1988	Program	\$ 158.1
		<u>248.2</u>

Failure to provide long lead time funding requested would preclude supporting the planned FY 1987 and FY 1988 authorization for these submarines.

Explanation:

This requirement is based on the following:

- a. The nuclear propulsion plant is the longest lead time item in construction of OHIO Class Submarines. Leadtimes for reactor plant equipment have not significantly changed from those experienced in recent years. Reactor plant equipment suppliers are currently quoting up to five year manufacturing spans. Since the nuclear propulsion plant is in the critical path affecting the delivery of these submarines, failure to provide long leadtime funding two years in advance of planned authorization for construction of these submarines could preclude supporting the planned construction.
- b. Contractor furnished equipment is required for delivery to the ship construction schedule with the order date based on manufacturing lead times. BRICK-BAT priority has been approved for TRIDENT including the funding of advance procurement long lead time items. Detailed CFE requirements are as follows:

DETAIL OF ADVANCE PROCUREMENT REQUIREMENTS
 SHIP TYPE: OHIO Class Submarine SSBN 739
 FY/FY, FY 86 FOR FY 87

(\$ IN THOUSANDS)

ITEM (A)	QTY (B)	EARLIEST SHIP DELIVERY DATE (C)	MONTHS REQUIRED BEFORE DELIVERY (D)	PRODUCTION LEAD TIME (E)	REQUIRED AWARD DATE (F)	PLANNED AWARD DATE (G)	FUNDING REQUIREMENT (H)
HY80 Steel	11.3M	12/92	72	12	12/85	12/85	7335.2
Flasks, H.P. Gas	213	12/92	62	18	4/86	4/86	4254.7
Missile Tube Assy & Support Material	24	12/92	47	30	7/86	7/86	31716.3
Ball Valves	834	12/92	69	17	10/85	10/85	7886.4
Main Condensers	2	12/92	51	34	11/85	11/85	5623.6
Switchboards	22	12/92	55	31	10/85	10/85	8083.1
HP Air & Nitrogen Reducing Manifolds	33	12/92	59	27	10/85	10/85	14277.5
HY80 Castings and Forging	VARIOUS	12/92	69	17	10/85	10/85	2200.3
Duplex R114 CW A/C Plant	2	12/92	53	30	1/86	1/86	2657.3
Carbon Manganese Hull & Bulkhead Steel	3.0M lbs	12/92	72	12	12/85	12/85	1394.5
Bng Room Freshwater/Seawater Heat Exchanger	2	12/92	47	36	1/86	1/86	2363.2
Auxiliary Seawater Pump w/ Motor	3	12/92	54	26	4/86	4/86	1174.9
500 KW Motor Gen Set	2	12/92	51	24	9/86	9/86	1416.3
Items Less than \$1M					12434.7		
TOTAL CFE					90100.0		

TOTAL FY 1986 ADVANCE PROCUREMENT REQUEST

TOTAL SHIP END COST (FY 1987)

TOTAL SHIP END COST (FY 1988)

1/
1/
1725000.0

DETAIL OF ADVANCE PROCUREMENT REQUIREMENTS
Ship Type: OHIO Class Submarine-SSBN 740/741
FY/PY: FY 87 for FY 88 and FY 89

Request:

\$263.4 million is required in FY 1987 to procure critical long lead ship components for the fifteenth and sixteenth OHIO Class Submarines. The fifteenth OHIO Class Submarine is planned for inclusion in the FY 1988 Military Authorization request. The sixteenth OHIO Class Submarine is planned for inclusion in the FY 1989 Military Authorization request. Of the \$263.4 million requested in FY 1987, \$167.4 million is required for the procurement of long lead time nuclear propulsion equipments and \$96.0 million is required for long lead time contractor furnished equipment (CFE). Funding for specific shipbuilding programs is summarized as follows:

FY 1988 Program	\$ 96.0
FY 1989 Program	\$ 167.4
	\$ 263.4

Failure to provide long lead time funding requested would preclude supporting the planned FY 1988 and FY 1989 authorizations for these submarines.

Explanation:

This requirement is based on the following:

- a. The nuclear propulsion Plant is the longest lead time item in construction of OHIO Class Submarines. Leadtimes for reactor plant equipment have not significantly changed from those experienced in recent years. Reactor plant equipment suppliers are currently quoting up to five year manufacturing spans. Since the nuclear propulsion Plant is in the critical path affecting the delivery of these submarines, failure to provide long leadtime funding two years in advance of planned authorization for construction of these submarines could preclude supporting the planned construction.
- b. Contractor furnished equipment is required for delivery to the ship construction schedule with the order date based on manufacturing lead times. BRICK-BAT priority has been approved for TRIDENT including the funding of advance procurement long lead time items. Detailed CFE requirements are as follows:

DETAIL OF ADVANCE PROCUREMENT REQUIREMENTS
 SHIP TYPE: OHIO Class Submarine SSBN 740
 FY/PY: FY 87 FOR FY 88

(\$ IN THOUSANDS)

ITEM (A)	QTY (B)	EARLIEST SHIP DELIVERY DATE (C)	MONTHS REQUIRED BEFORE DELIVERY (D)	PRODUCTION LEADTIME (E)	REQUIRED AWARD DATE (F)	PLANNED AWARD DATE (G)	FUNDING REQUIREMENT (H)
HY80 Steel	11.3M	12/93	72	12	12/86	12/86	7775.3
Flasks, H.P. Gas	213	12/93	62	18	4/87	4/87	4616.0
Missile Tube Assy & Support Material	24	12/93	47	30	7/87	7/87	33619.3
Ball Valves	834	12/93	69	17	10/86	10/86	8338.4
Main Condensers	2	12/93	51	34	11/86	11/86	5961.0
Switchboards	22	12/93	52	34	10/86	10/86	8568.1
HP Air & Nitrogen Reducing Manifolds	33	12/93	55	31	10/86	10/86	1566.1
HY80 Castings and Forging	VARIOUS	12/93	59	27	10/86	10/86	2332.3
Duplex R114 Cu A/C Plant	2	12/93	66	17	1/87	1/87	2816.7
Carbon Manganese Hull & Bulkhead Steel	3.0M lbs	12/93	72	12	12/86	12/86	1478.2
Eng Room Freshwater/Seawater Heat Exchanger	2	12/93	47	36	1/87	1/87	2605.0
Auxiliary Seawater Pump w/ Motor	3	12/93	54	26	4/87	4/87	1245.4
500 KW Motor Gen Set	2	12/93	51	24	9/87	9/87	1503.4
Items Less than \$1M							13674.8
TOTAL CPE							96000.0

TOTAL FY 1987 ADVANCE PROCUREMENT REQUEST

TOTAL SHIP END COST (FY 1988)

TOTAL SHIP END COST (FY 1989)

1/
1/
1/

1725000.0
1809400.0

DETAIL OF ADVANCE PROCUREMENT REQUIREMENTS
 SHIPTYPE: SSN-688
 FY/PI: FY 1986 FOR FY 1987 AND FY 1988

 (\$ IN MILLIONS)

NUCLEAR COMPONENTS FOR THE FY 1986 PROGRAM

\$372.4 million is required as soon as possible in the first quarter of FY 1986 to procure long leadtime nuclear propulsion plant equipment for four SSN 688 Class submarines in FY 1988. The nuclear propulsion plant is the item with the longest construction period in the SSN construction program. Leadtimes for reactor plant equipment have not significantly changed from those experienced in recent years. Reactor plant equipment suppliers are quoting up to five year manufacturing spans. Since the nuclear propulsion plant is in the critical path affecting delivery of these submarines, failure to provide long lead funding in advance of planned authorization for construction could preclude supporting the planned construction.

HMAE COMPONENTS FOR THE FY 1987 PROGRAM

\$114.0 million is required for the advance procurement of long leadtime Hull, Mechanical and Electrical equipments for four SSN 688 Class submarines in FY 1987.

EXPLANATION

ITEM	QTY	EARLIEST SHIP DELIVERY DATE	MONTHS REQUIRED BEFORE DELIVERY	PRODUCTION LEADTIME	REQUIRED AWARD DATE \1	PLANNED AWARD DATE	FUNDING REQUIREMENT
Main Propul. Complex (MPC)	4	5/91	36	24	11/85	11/85	59.2
Ship Serv. Turbine Gen (SSTG)	4	5/91	36	24	11/85	11/85	36.2
Main Condenser	4	5/91	36	24	11/85	11/85	15.3
Main Generator	2	5/91	36	24	11/85	11/85	3.3

\1_ Required award date is based on the delivery of the last system. All systems deliver in four month intervals.

CPE REQUIREMENTS FOR THE FY 1987 PROGRAM

\$ 98.8 million is required to procure shipbuilder long leadtime materials in order to take advantage of recent substantial investments in facilities and employment of new construction techniques by the shipbuilder to support accelerated delivery schedules.

TOTAL FY 86 ADVANCE PROCUREMENT REQUEST

TOTAL SHIP END COST (FY 87)	4/2700.0
TOTAL SHIP END COST (FY 88)	4/2889.7

DETAIL OF ADVANCE PROCUREMENT REQUIREMENTS

SHIPTYPE: SSN-688
 FY/PY: FY 1987 FOR FY 1988 AND FY 1989

 (\$ IN MILLIONS)

NUCLEAR COMPONENTS FOR THE FY 1989 PROGRAM

\$220.0 million is required as soon as possible in the first quarter of FY 1987 to procure long leadtime nuclear propulsion plant equipment for four SSN 688 Class submarines in FY 1989. The nuclear propulsion plant is the item with the longest construction period in the SSN construction program. Leadtimes for reactor plant equipment have not significantly changed from those experienced in recent years. Reactor plant equipment suppliers are quoting up to five year manufacturing spans. Since the nuclear propulsion plant is in the critical path affecting delivery of these submarines, failure to provide long lead funding in advance of planned authorization for construction could preclude supporting the planned construction.

HMAE COMPONENTS FOR THE FY 1988 PROGRAM

\$114.0 million is required for the advance procurement of long leadtime Hull, Mechanical and Electrical equipments for four SSN 688 Class submarines in FY 1988.

EXPLANATION

ITEM	QTY	EARLIEST DELIVERY DATE	SHIP REQUIRED MONTHS BEFORE DELIVERY	PRODUCTION LEADTIME	REQUIRED AWARD DATE	\1-	PLANNED AWARD DATE	FUNDING REQUIREMENT
Main Propul. Complex (MPC)	4	5/92	36	24	11/86		11/86	63.3
Ship Serv. Turbine Gen (SSTG)	4	5/92	36	24	11/86		11/86	39.0
Main Condenser	4	5/92	36	24	11/86		11/86	16.9
Main Generator	2	5/92	36	24	11/86		11/86	3.5

\1- Required award date is based on the delivery of the last system. All systems deliver in four month intervals.

CFR REQUIREMENTS FOR THE FY 1988 PROGRAM

\$ 105.6 million is required to procure shipbuilder long leadtime materials in order to take advantage of recent substantial investments in facilities and employment of new construction techniques by the shipbuilder to support accelerated delivery schedules.

TOTAL FY 87 ADVANCE PROCUREMENT REQUEST

TOTAL SHIP END COST (FY 88)	SUBTOTAL	105.6
TOTAL SHIP END COST (FY 89)		448.3
		4/2869.7
		2/1646.5

DETAIL OF ADVANCE PROCUREMENT REQUIREMENTS
SHIP TYPE: SSN-21
FY/PY: FY 1987 FOR FY 1989

FY 1987 LONG LEADTIME FUNDING REQUIREMENTS FOR THE SSN 21 CLASS SHIPBUILDING PROJECT:

FUNDING REQUIREMENT

REQUEST: (\$ IN MILLIONS)

456.1

\$456.1 million is required in the first quarter of FY 1987 to support delivery of the lead SSN 21 Class Submarine planned for authorization in FY 1989. \$ 313.6 is required to procure long leadtime nuclear and non-nuclear propulsion plant equipment. The nuclear propulsion plant is the item with the longest construction period in the SSN 21 construction program. Leadtimes for nuclear reactor plant equipment have not significantly changed from those experienced in recent years. Reactor plant equipment suppliers are quoting up to five year manufacturing spans. Since the nuclear propulsion is in the critical path affecting delivery of these submarines, failure to provide long leadtime funding in advance of planned authorization for construction could preclude supporting the planned construction.

\$142.5 million is also required to commence detail design efforts in order to support production schedules of the lead SSN 21 Class Submarine

TOTAL FY 87 ADVANCE PROCUREMENT REQUEST

TOTAL SHIP END COST (FY 89)

456.1

1/1664.9

DETAIL OF ADVANCE PROCUREMENT REQUIREMENTS
 SHIP TYPE: CG-43 SHIP (USS KITTY HAWK)
 FY/PP: FY 1986 FOR FY 1987
 (4 In Thousands)

ITEM	QTY.	EARLIEST SHIP DELIVERY DATE	MONTHS REQUIRED SINCE DELIVERY	PRODUCTION LEADTIME	REQUIRED ARRIVAL DATE	PLANNED ARRIVAL DATE	PROD. REQUIREMENT
STOOL & AUDIO SYSTEM	1	11/89	18	1/86	7/86	7/86	725.5
AN/FSQ-38 QRS	1	11/89	20	1/86	7/86	7/86	128.0
AN/FSQ-7A DTS	1	11/89	20	1/86	7/86	7/86	93.0
AN/FSQ-7(V)5 NAVWAMS	1	11/89	20	1/86	7/86	7/86	3344.0
SHIP HELD MATERIAL							1500.0
BLAST TEST VEHICLES							400.0
VISUAL LANDING AIDS							800.0
AVIATION SUPPORT & SERV.							667.0
ADV/SHFT SHIP INTERFACE							60.0
AN/FSQ-27	2	11/89	20	1/86	4/86	4/86	96.0
CIVIC URGENTS							3200.0
NO. 1IN. FIRE PUMPS	15	11/89	20	1/86	7/86	7/86	617.0
CAT. TRACK CHANNELS	352	11/89	20	1/86	7/86	7/86	880.0
SWITCHBOARDS							1536.0
CRD. HANDLING EQUIPMENT							27.0
POSSA							140.0
DETAILED DESIGN							4000.0
SHIPWLT INCIDENTL. MTL.							17500.0
REFURB REPLACE MTL.							76232.2
SHIP'S FORCE PATH...							10/85
HULL. FORCED DRAFT BLOWERS	13	11/89	20	1/86	7/86	7/86	4000.0
SUPER HEATER HEATERS (1 SHIP SET)							8000.0
363 TON AIR CONDITIONERS	3	11/89	20	1/86	7/86	7/86	603.5
26 KVA LINE VOLT. REGULATOR	150	11/89	20	1/86	7/86	7/86	1219.5
NAVAL BLDG. SERV.							850.0
SPAC6 BLDG. SERV.							3166.3
							3573.0
							133400.0
							1/ 717200

TOTAL FY 1986 ADVANCE PROCUREMENT REQUEST

TOTAL SHIP END COST (FY 1987)

DETAIL OF ADVANCE PROCUREMENT REQUIREMENTS

SHIP TYPE: CV-64 SUPER (USS CONSTELLATION)

FY/PI: FY 1987 FOR FY 1990

(\$ In Thousands)

ITEM	QTY.	BEST JUST SHIP DELIVERY DATE	MONTHS REQUIRED BEFORE DELIVERY	PRODUCTION LEADTIME	REQUIRED AWARD DATE	PLANNED AWARD DATE	FUNDING REQUIREMENT
ROTARY INDUCTION 2							
CATAPULT MACHINES *	4	2/92	28	36	10/86	10/86	4005
ANNEALING GEAR MK 7/3 *	4	2/92	28	36	10/86	10/86	9803
BP/LP TURBINE							
ROTOR & CASING	4	2/92	28	30	4/87	4/87	1992
NET ACCELERATORS	4	2/92	28	34	12/86	12/86	3020
AV/SES-39(V)5 *	1	2/92	28	30	4/87	4/87	2500
							3930
TOTAL FY 1987 ADVANCE PROCUREMENT REQUEST							1/ 761500
TOTAL SHIP END COST (FY 1990)							

INCLUDES ONLY LONG LEADTIME HARDWARE COSTS.

DETAIL OF ADVANCE PROCUREMENT REQUIREMENTS

SHIP TYPE: CG-47 (CG-66/67/68)
FY/PY: FY 86 FOR FY 87

(* IN THOUSANDS)

ITEM (A)	QTY (B)	EARLIEST SHIP DELIVERY DATE (C)	MONTHS REQUIRED BEFORE DELIVERY (D)	PRODUCTION LEADTIME		REQUIRED AWARD DATE (E)	PLANNED AWARD DATE (F)	FUNDING REQUIREMENT (H)
MK 45 GUN MOUNT AND MK 6 AMMUNITION HOIST, MULTIYEAR PROCUREMENT	6	THE MK 45 GUN MOUNT AND MK 6 AMMUNITION HOIST ARE PROPOSED FOR MULTIYEAR PROCUREMENT WITH ECONOMIC ORDER QUANTITIES. ADVANCE PROCUREMENT FUNDING IDENTIFIED IN FY 1986 IS FOR THE PROCUREMENT OF LONG LEAD TIME MATERIALS AND SUBCONTRACTED COMPONENTS/ASSEMBLIES. EXAMPLES INCLUDE: WEATHER SHIELD, CONTROL PANELS AND HYDRAULIC MOTORS.	14,600					
TOTAL FY 86 ADVANCE PROCUREMENT REQUEST								
TOTAL SHIP END COST (FY 87)								
3 / 2,968,500								

SHIP TYPE: DDG-52/
FY/PY: FY 86 FOR FY 87

(\$ IN THOUSANDS)

ITEM (A)	QTY (B)	EARLIEST SHIP DELIVERY DATE (C)	MONTHS REQUIRED BEFORE DELIVERY (D)	PRODUCTION LEADTIME (E)	REQUIRED AWARD DATE (F)	AWARD DATE (G)	PLANNED AWARD DATE (H)	FUNDING REQUIREMENT
EXCOMM	1	11/90	18	36	-1/	5/86	12/85	3,700
REDUCTION GEAR	2	11/90 4/91	31 31	24 24	4/86 9/86	12/85 12/85	5,500 5,500	
AEGIS WEAPON	1	11/90	18	39	2/86	11/85	75,000	_2/
AN/SQS-53C SONAR	2	11/90 4/91	16 18	45	10/85 1/86	10/85 10/85	48,300 11,200	_2/
LAMPS III	1	11/90	18	36	5/86	12/85	1,300	
Mk-116 MOD 7 ASWCS	2	11/90 4/91	18 18	37 37	4/86 9/86	12/85 12/85	2,400 2,400	
AN/SQR-19 TACTAS	2	11/90 4/91	18 18	39 39	2/86 7/86	12/85 12/85	4,500 4,500	
							164,300	
							2 / 2,095,200	

TOTAL FY 86 ADVANCE PROCUREMENT REQUEST

TOTAL SHIP END COST (FY 87)

_1/ INCLUDES 12 MONTHS PTC EFFORT.

_2/ INCLUDES PRODUCTION START UP COSTS.

_3/ INCLUDES 9 MONTHS PTC EFFORT.

DETAIL OF ADVANCE PROCUREMENT REQUIREMENTS
 SHIP TYPE: DDG-51 (DDG-54-58)
 FY/PY: FY 87 FOR FY 88

(\$ IN THOUSANDS)

ITEM	QTY	EARLIEST SHIP DELIVERY DATE	MONTHS REQUIRED BEFORE DELIVERY	PRODUCTION LEADTIME	REQUIRED AWARD DATE	PLANNED AWARD DATE	FUNDING REQUIREMENT
EXCOMM	2	11/91 1/92	18 18	36 -1/	5/87 7/87	12/86 12/86	5,000 5,000
REDUCTION GEAR	3	11/91 1/92 4/92	31 31 31	24 24 24	4/87 6/87 9/87	12/86 12/86 12/86	5,600 5,600 5,600
AEGIS WEAPON SYSTEM	4	11/91 1/92 4/92 5/92	18 18 18 18	39 39 39 39	2/87 4/87 7/87 8/87	12/86 12/86 12/86 12/86	86,600 -2/ 33,400 33,400 33,400
AN/STC-2 IVCS	2	11/91 1/92	22 22	30 30	7/87 9/87	12/86 12/86	3,000 3,000
SDMS	1	11/91	25	25	9/87	12/86	3,300
AN/SQS-53C SONAR	5	11/91 1/92 4/92 5/92 7/92	16 18 18 18 18	45 45 45 45 -3/	10/86 10/86 1/87 2/87 4/87	10/86 10/86 10/86 10/86 10/86	11,400 11,400 11,400 11,400 11,400
LAMPS 111	2	11/91 1/92	18 18	36 -3/	5/87 7/87	12/86 12/86	1,400 1,400
Mt-116 MOD 7 ASWCS	3	11/91 1/92 4/92	18 18 18	37 37 -3/	4/87 6/87 9/87	12/86 12/86 12/86	2,500 2,500
AN/SQR-19 TACTAS	4	11/91 1/92 4/92 5/92	18 18 18 18	39 39 39 39	2/87 4/87 7/87 8/87	12/86 12/86 12/86 12/86	4,600 4,600 4,600 4,600
TOTAL FY 87 ADVANCE PROCUREMENT REQUEST							308,600
TOTAL SHIP END COST (FY 88)							5 / 4,527,500

1/ INCLUDES 12 MONTHS PTC EFFORT.
 2/ INCLUDES PRODUCTION START UP COSTS.
 3/ INCLUDES 9 MONTHS PTC EFFORT.

DETAIL OF ADVANCE PROCUREMENT REQUIREMENTS
 SHIP TYPE: LHD (NVP)
 FY/PY: FY 86 FOR FY 88, FY 89
 (\$ IN THOUSANDS)

Item (A)	QTY (B)	Earliest Ship Delivery Date (C)*	Months Required Before Delivery (D)	Production Leadtime (E)	Required Award Date (F)	Planned Award Date (G)	Funding Requirements (H)
EFE - ECONOMIC ORDER QUANTITIES:							
AN-57 HHD 2 NATO SEA SPARROW	4	6/91	24	36	6/86	6/86	52212
AN/TPX-42	2	6/91	24	36	6/86	6/86	7593
AN/STO-9	2	6/91	39	36	12/85	12/85	13445
ITRADS (INCL AN/UTK-43)	2	6/91	38	39	10/85	10/85	52565
AN/HDR-1	2	6/91	24	36	6/86	6/86	2486
CCTV	2	6/91	24	36	6/86	6/86	2164
AN/57S-21(V)3	2	6/91	29	30	7/86	7/86	9985
							144388
CONTRACTOR FURNISHED MATERIAL:							
PRODUCTION PLANNING/ DETAIL DESIGN/ MATERIAL							
PROCUREMENT/ PREFABRICATION					11/85	11/85	76488
TERMINATION LIABILITY FUNDING					11/85	11/85	141988
							358666
TOTAL FY86 ADVANCE PROCUREMENT REQUEST							
TOTAL SHIP END COST (FY88)							1/115628
TOTAL SHIP END COST (FY89)							1/115258

* LHD-2/3/4 SHIP ITEMS ARE PART OF AN ECONOMIC ORDER QUANTITY BUY.
 TO GET PRICE ADVANTAGE, THESE ITEMS FOR LHD (NVP) MUST BE ORDERED AT THE SAME TIME AS ORDER FOR LHD 2.

DETAIL OF ADVANCE PROCUREMENT REQUIREMENTS
 SHIP TYPE: LHD (NYP)
 FY/PY: FY 87 FOR FY 88, FY 89
 (S IN THOUSANDS)

Item (A)	Qty (B)	Earliest Ship Delivery Date (C)*	Months Required Before Delivery (D)	Production Leadtime (E)	Required Award Date (F)	Planned Award Date (G)	Funding Requirements (H)
EFE - ECONOMIC ORDERING QUANTITIES:							
C15/PHALCON MK-15 MOD 3	6	6/91	24	24	6/87	6/87	23279
AN/SLQ-32	2	6/91	24	24	6/87	6/87	13798
ATOCCS	2	6/91	24	24	6/87	6/87	49169
AN/SLR-22	2	6/91	24	24	6/87	6/87	1632
FLAG DATA DISPLAY SYSTEM	2	6/91	24	24	6/87	6/87	16468
SHIP SURVEILLANCE EXPLOITATION SYSTEM	2	6/91	24	24	6/87	6/87	20394
AN/FPS-4 SB	2	6/91	24	24	6/87	6/87	47085
AN/VSQ-5	2	6/91	24	24	6/87	6/87	3637
AN/STQ-7(V)5	2	6/91	24	24	6/87	6/87	5678
MK 23 TAS RADAR	2	6/91	24	22	8/87	8/87	14561
AN/VRN-25	2	6/91	24	30	1/87	1/87	1697
							149700

CONTRACTOR FURNISHED MATERIAL:

PRODUCTION PLANNING/ DETAIL DESIGN/ MATERIAL
 PROCUREMENT/ PREFABRICATION
 TERMINATION LIABILITY FUNDS

TOTAL FY87 ADVANCE PROCUREMENT REQUEST

TOTAL SHIP END COST (FY88)

TOTAL SHIP END COST (FY89)

37300

1/1156200

1/1152500

* LHD-2/3/4 SHIP ITEMS ARE PART OF AN ECONOMIC ORDER QUANTITY BUY.
 TO GET PRICE ADVANTAGE, THESE ITEMS FOR LHD (NYP) MUST BE ORDERED AT THE SAME TIME AS ORDER FOR LHD 2.

DETAIL OF ADVANCE PROCUREMENT REQUIREMENTS
 SHIP TYPE: LPD 10
 FY/PW: FY 87 FOR FY 88
 (\$ IN THOUSANDS)

Item (A)	Qty (B)	Earliest Ship Delivery Date (C)	Months Required Before Delivery (D)	Production Leadtime (E)	Required Board Date (F)	Planned Board Date (G)	Funding Requirements (H)
AN/LESD-53(V)	3	4/89	17	11	12/86	12/86	80
C-9351/ASC-3	6	4/89	17	11	12/86	12/86	44
OK-455 (V)/NSC	1	4/89	17	4	7/87	7/87	95
AN/LEO-10(V)	1	4/89	17	4	7/87	7/87	125
AN/URT-23C (V)1	6	4/89	17	11	12/86	12/86	360
TANK LEVEL INDICATOR (S329/61/2692)	1	4/89	17	4	7/87	7/87	5
TANK LEVEL INDICATOR (S329/81/2692)	1	4/89	17	4	7/87	7/87	5
DE-1610ASD-6C(V)	1	4/89	17	4	7/87	7/87	228
REPAIR MATERIALS		4/89	17	11	12/86	12/86	16300
DETAIL DESIGN		4/89	17	11	12/86	12/86	10700

TOTAL FY87 ADVANCE PROCUREMENT REQUEST

TOTAL SHIP END COST (FY88)

27900

115590

All listed items will be Government furnished.

Items are required prior to SLEP start at the pre-stage site to allow for inspection, inventory, field change installations etc. before being sent to SLEP contractor.

DETAL OF ADVANCE PROCUREMENT REQUIREMENTS
 SHIP TYPE: LPD 4, 5, 15
 FY/PY: FY 87 FOR FY 89
 (IN THOUSANDS)

Item (A)	QTY (B)	Earliest Ship Delivery Date (C)	Months Required Before Delivery (D)	Production Leadtime (E)	Required Award Date (F)	Planned Award Date (G)	Funding Requirements (H)
C-10355/U	3	12/89	13	22	1/87	1/87	95
AN/ASC-3(V)7	21	12/89	13	16	7/87	7/87	975
AN/ASC-3(V)6	45	12/89	13	16	7/87	7/87	265
MT-6869/SEC-3V	12	12/89	13	16	7/87	7/87	160
DP-9123/SEC	12	12/89	13	22	1/87	1/87	800
AS-3240/LDN-25	3	12/89	13	16	7/87	7/87	65
C-10328/LDN-25	3	12/89	13	16	7/87	7/87	100
C-10353/LDN-25	3	12/89	13	16	7/87	7/87	65
AN/ARC-1B	6	12/89	13	25	10/86	10/86	300
AN/URG-10	6	12/89	13	16	7/87	7/87	140
DR-434 (V) MSC SEPARATOR, OIL/WATER 10 BPM	3	12/89	13	16	7/87	7/87	5165
SSTB (SHIP SYS TURBINE GEN)	12	12/89	13	25	10/86	10/86	190
MISC. EQUIP FOR SSTB	3	12/89	13	22	1/87	1/87	22230
AN/SPS 67 SS WORK PK 15, HOD 2 CIAS (1 S/S)	3	12/89	13	16	5/87	5/87	430
AN/SPS 60(V)	3	12/89	13	24	11/86	11/86	16900
				24	11/86	11/86	1675

TOTAL FY87 ADVANCE PROCUREMENT REQUEST

TOTAL SHIP END COST (FY89)

\$2540

3/14/720

All listed items will be Government furnished.

Items are required prior to SLEP start at the pre-stage site to allow for inspection, inventory, field change installations, etc. before being sent to SLEP contractor.

DETAIL OF ADVANCE PROCUREMENT REQUIREMENTS
 SHIP TYPE: LSD 41 (C)
 FY/PY: FY 87 FOR FY 88
 (\$ IN THOUSANDS)

Item (A)	Qty (B)	Earliest Ship Delivery Date (C)	Months Required Before Delivery (D)	Production Leadtime (E)	Required Award Date (F)	Planned Award Date (G)	Funding Requirements (H)
MAIN DIESEL ENGINES	4	3/92	22	27	4/87	4/87	16200
S. S. DIESEL GENERATORS	1 SS	3/92	34	22	7/87	7/87	7400
TOTAL FY87 ADVANCE PROCUREMENT REQUEST							23600
TOTAL SHIP END COST (FY88)							2/511000

* INCLUDES FOUR MONTHS ADMINISTRATIVE LEAD TIME.

DETAIL OF ADVANCE PROCUREMENT REQUIREMENTS

SHIP TYPE: T-AGOS

FY/PY: FY 1986 for FY 1987

(\$ IN THOUSANDS)

ITEM <u>(A)</u>	QTY <u>(B)</u>	EARLIEST SHIP DELIVERY DATE <u>(C)</u>	MONTHS REQUIRED BEFORE DELIVERY <u>(D)</u>	PRODUCTION LEADTIME <u>(E)</u>	REQUIRED AWARD DATE <u>(F)</u>	PLANNED AWARD DATE <u>(G)</u>	FUNDING REQUIREMENT <u>(H)</u>
D398 Diesel Engines	8	5/89	N/A	N/A	3/86	11/85	\$1,200

* Caterpillar Tractor Company has confirmed their intent to close down the production line for the model D398 diesel engines, with no orders for the D398 engine being taken after March 1986. The D398 engine meets the T-AGOS noise threshold requirements while the ability of other engines to meet this criteria is unknown. To test other engines for noise and make the necessary design adjustments will require RDT&E, N funding not currently budgeted and possibly delay delivery of the FY 87 ship. In addition, alternative engines will require different supply support than the D398 engine. The Navy will be required to provide different support for two ship sets out of a population of eighteen ships.

Total FY 86 Advance Procurement Request

Total Ship End Cost (FY 87)

1,200

2/ 118,500

DETAIL OF ADVANCE PROCUREMENT REQUIREMENTS
SHIPTYPE: MTSD(C)
FY/PY: FY 86 FOR FY 87

FY 1987 LONG LEADTIME FUNDING REQUIREMENTS FOR THE MOORED TRAINING SHIP DEMONSTRATION (MTSD)
REQUEST: (\$ IN MILLIONS)

26.6

\$ 26.5 million is required in the first quarter of FY 1986 for procurement of long leadtime nuclear propulsion alteration material and design and shipyard advance planning efforts in support of the FY 1987 authorization.

EXPLANATION:

The nuclear propulsion plant is the longest lead item in the MTSD conversion. Since the nuclear propulsion plant is in the critical path affecting delivery, failure to provide long leadtime funding in advance of planned authorization could preclude supporting the planned conversion.

TOTAL FY 86 ADVANCE PROCUREMENT REQUEST

TOTAL SHIP END COST (FY 87)

* The SCN request includes only advance procurement funds. The exact submarine for conversion has not been selected and the full funding will be budgeted when the selection is made.

26.6

*

DETAIL OF ADVANCE PROCUREMENT REQUIREMENTS

SHIP TYPE: LCAC

FY/PY: FY86 FOR FY87
(\$ in Thousands)

ITEM #	QTY	EARLIEST SHIP DELIVERY DATE	MONTHS REQUIRED BEFORE DELIVERY	PRODUCTION LEADTIME		REQUIRED AWARD DATE	PLANNED AWARD DATE	FUNDING REQUIREMENTS
				(d)	(e)			
• Engine Assemblies	9	5/89	13	26		2/86	2/86	18770
• Transmission Assemblies	7	5/89	13	24		4/86	4/86	7847
• Comm. Assemblies & Surv. Systems	2	5/89	17	18		6/86	6/86	1295
• Propellers	6	5/89	12	24		5/86	5/86	2526
• Generator Set	1	5/89	17	18		6/86	6/86	274
• Starters	1	5/89	17	18		6/86	6/86	53
• Steering System	1	5/89	16	19		6/86	6/86	35

TOTAL FY 86 ADVANCE PROCUREMENT REQUEST

TOTAL SHIP END COST (FY 87)

38899

12/30/8700

* EQUIPMENT TO BE FUNDED UNDER TLF CONCEPT WITH BALANCE FUNDING IN FULL FUNDING YEAR.

** ALL ITEMS ARE OOE.

DETAL OF ADVANCE PROCUREMENT REQUIREMENTS
 SHIP TYPE: LDC
 FY/PY: FY87 FOR FY88
 (\$ in Thousands)

ITEM #	ITEM #	ITEM #	ITEM #	ITEM #	ITEM #	ITEM #	ITEM #
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)
* Engine Assemblies	9	5/98	13	26	2/87	2/87	19729
* Transmission Assemblies	7	5/98	13	24	4/87	4/87	8259
* Comm. Assemblies & Surv. Systems	2	5/98	17	18	6/87	6/87	1366
Propellers	6	5/98	12	24	5/87	5/87	2652
Generator Set	1	5/98	17	16	6/87	6/87	239
Starters	1	5/98	17	16	6/87	6/87	56
Steering System	1	5/98	16	19	6/87	6/87	37

TOTAL FY 87 ADVANCE PROCUREMENT REQUEST

TOTAL SHIP END COST (FY 88)

* EQUIPMENT TO BE FUNDED UNDER TLF CONCEPT WITH BALANCE FUNDING IN FULL FUNDING YEAR.

** ALL ITEMS ARE CFE.